

2003/2/10 8:20:52 2007

A34759
(Sheet 1 of 10)



FIG.1A

A34759
(Sheet 2 of 10)

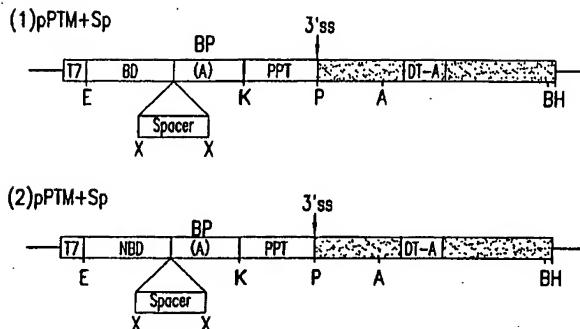


FIG.1B

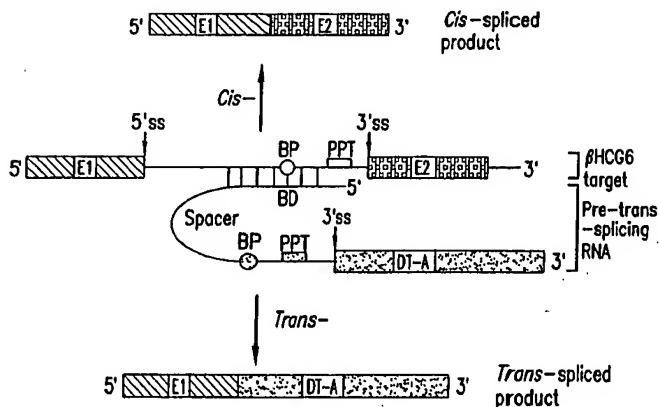


FIG.1C

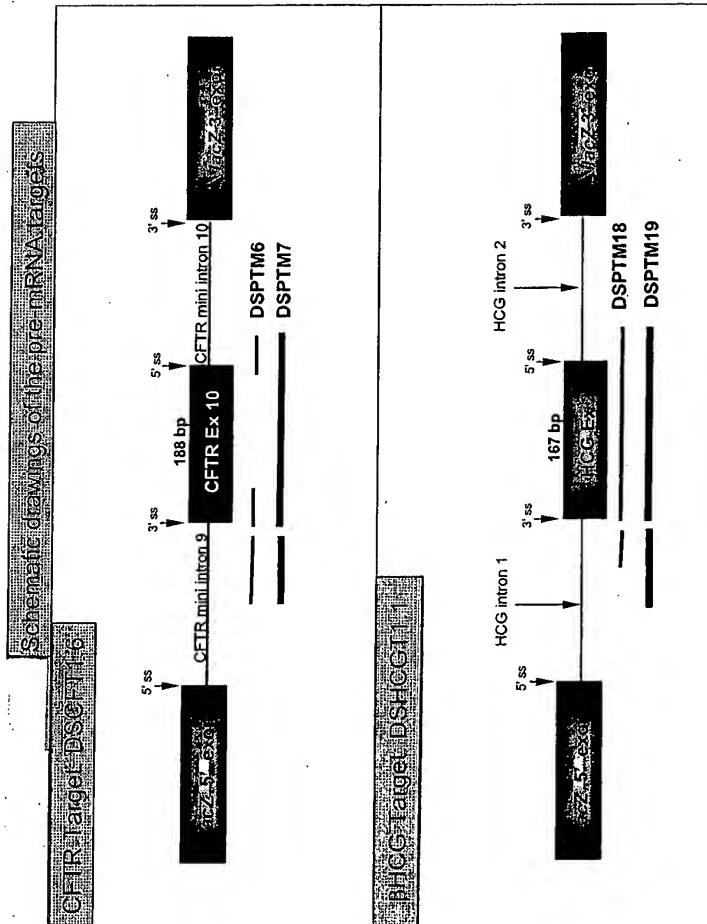


Figure 2

203770 " 81205200T

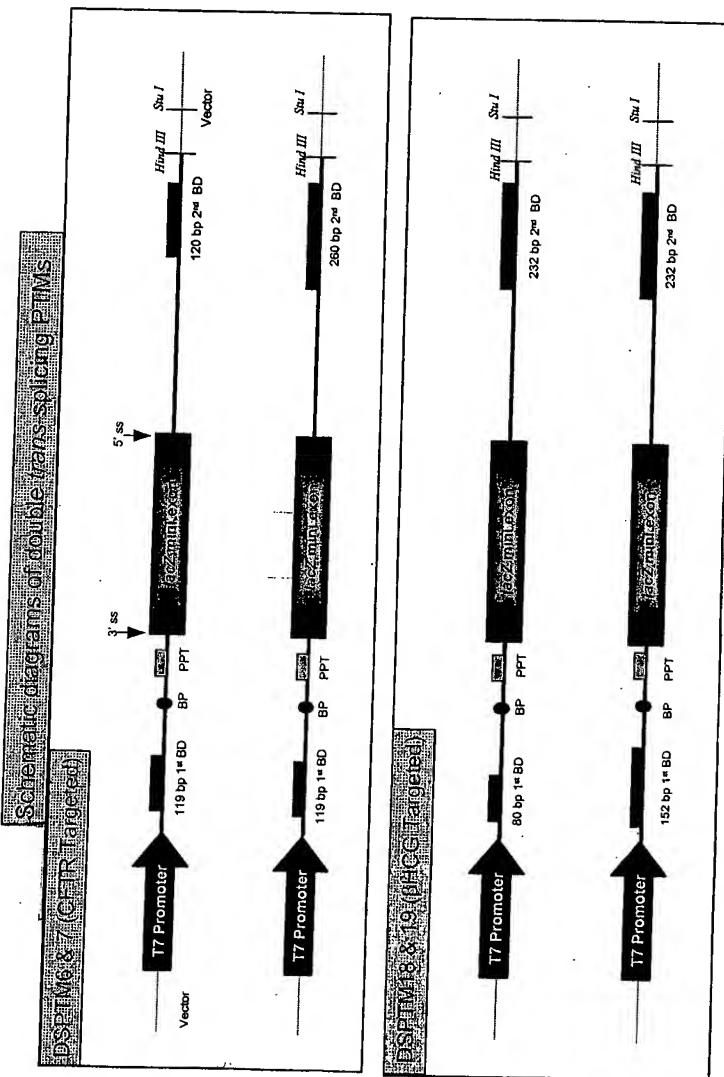


Figure 3

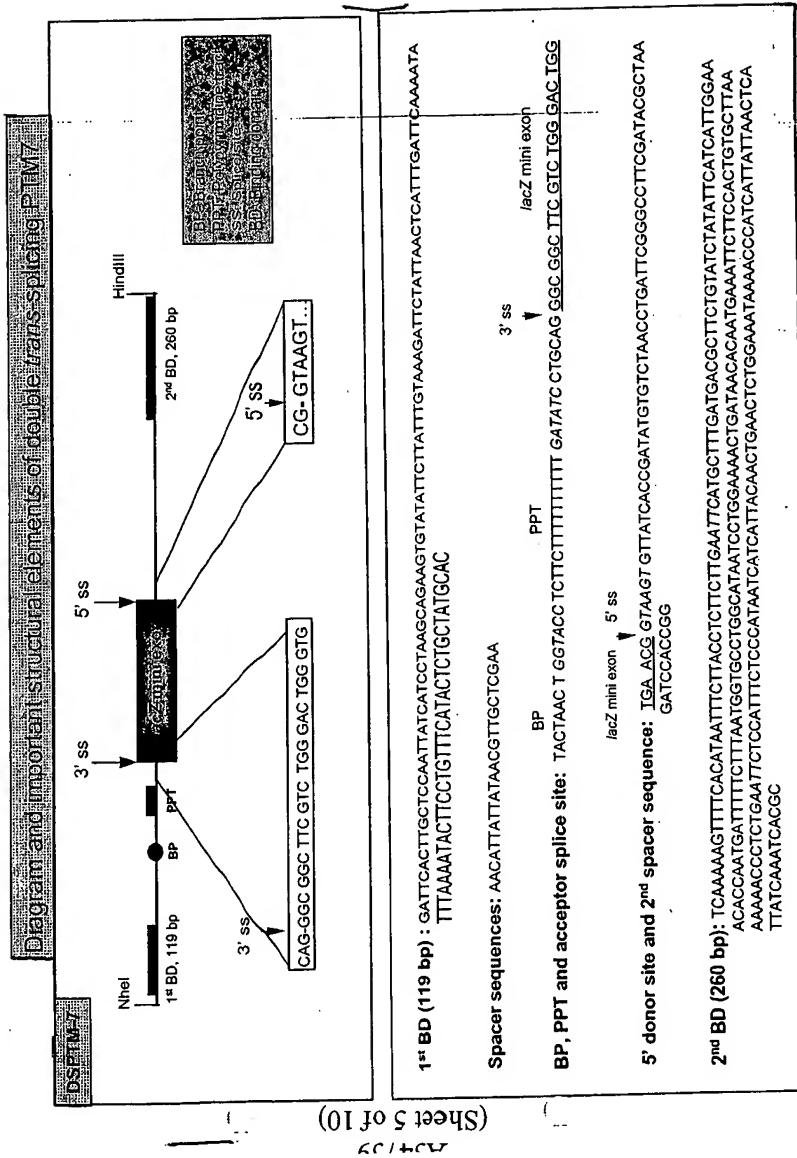
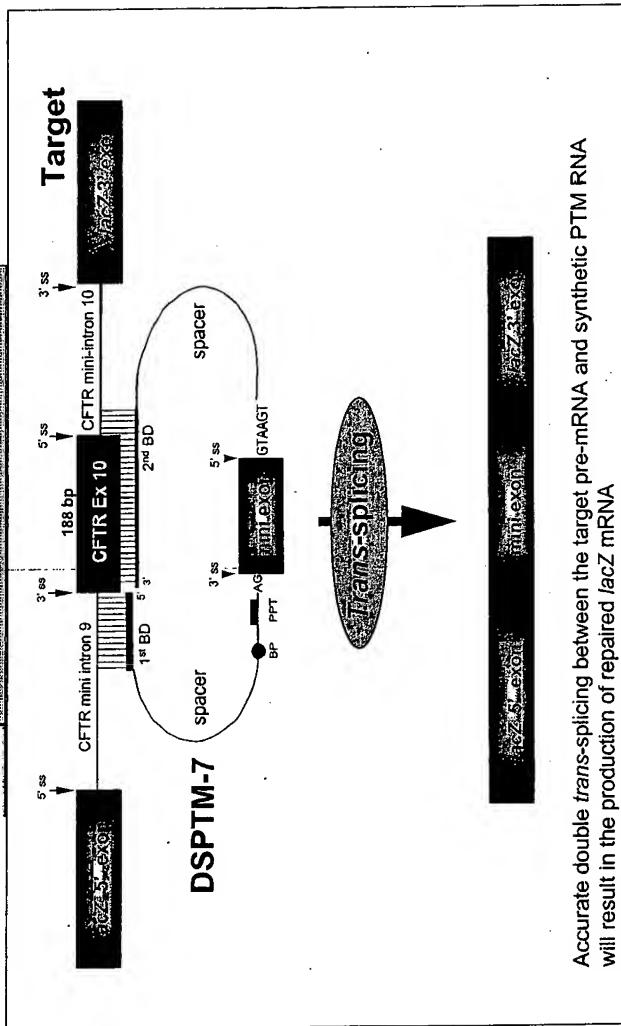


Figure 4

205T20" 8205200T

Figure 5

Double trans-splicing cassette



Accurate double trans-splicing between the target pre-mRNA and synthetic PTM RNA will result in the production of repaired /acZ mRNA

209170 * 8205400T

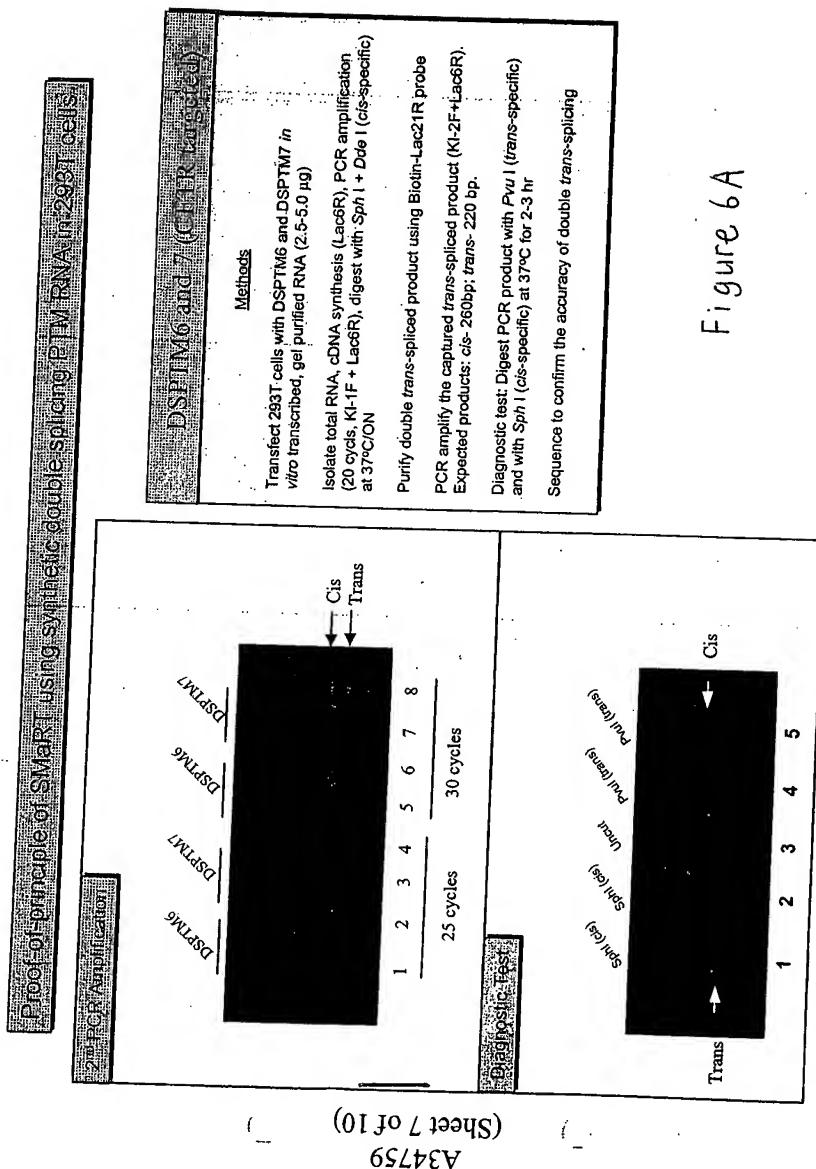
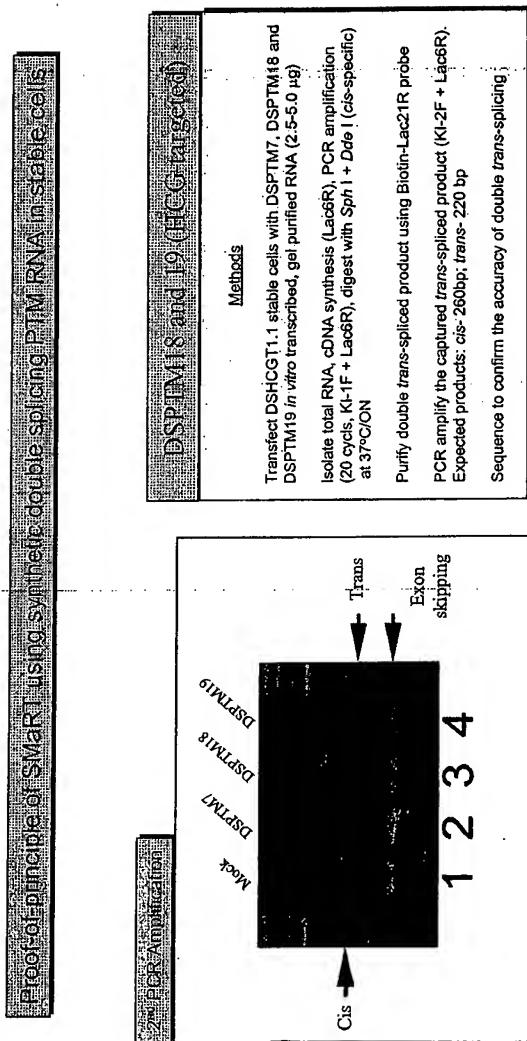


Figure 6A

2019/10/08 20:52:00



(Sheet 8 of 10)

A34759

Figure 6B

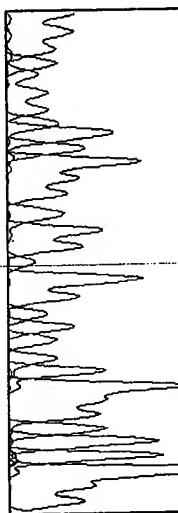
2019-07-09 05:20:00

A34759
(Sheet 9 of 10)

Accuracy of double-trans-splicing of Synthetic P1M RNA in 293T cells

1st TS junction

: CCGT T TAC AGGG CGGCT TCGT CCTGGGACTGGG!



2nd TS junction

: TCT GAT GAA CGGT CTGGT CT TGC CGAC

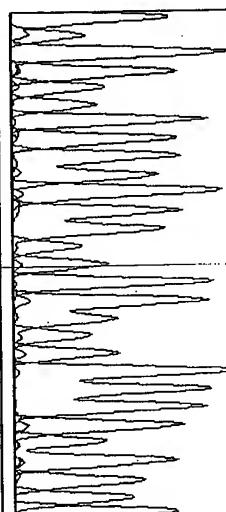
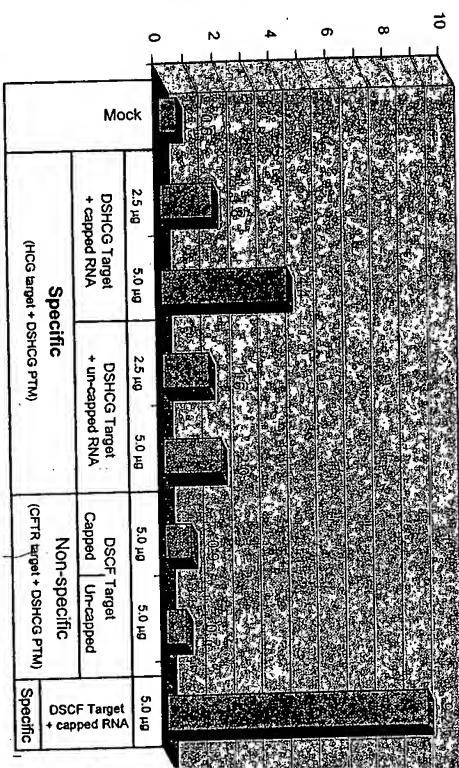


Figure 6C

209T²0 " 8205400T

A549
(Sheet 10 of 10)

β -gal Activity (Units/mg of protein)



Restoration of β -gal function through RNA transfection in 293T cells
(Protocol for Smart RNA Therapeutics)
Synthetic RNA, Double Trans-splicing

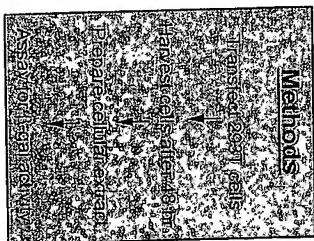


Figure 7